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53-00IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Anna Marie Pyle and Eckhard Jankowsky

Serial No.: Not Yet Known

Filed : January 27, 2000

For : ASSAYS FOR EVALUATING THE FUNCTION OF RNA HELICASES

1185 Avenue of the Americas  
New York, New York 10036  
January 27, 2000Assistant Commissioner for Patents  
Washington, D.C. 20231

SIR:

INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicant would like to direct the Examiner's attention to the following documents which are listed below and on the accompanying PTO Form 1449 attached hereto as **Exhibit A**. Copies of these documents are attached hereto as **Exhibits 1-5**.

1. Ali, JA and Lohman, TM (1997) "Kinetic Measurement of the Step Size of DNA Unwinding by *Escherichia coli* UvrD Helicase" Science, 275:377-380 (Exhibit 1);
2. Bjornson, KP, et al. (1994) "Single-Turnover Kinetics of Helicase-Catalyzed DNA Unwinding Monitored Continuously by Fluorescence Energy Transfer" Am Chem Soc, 33:14306-14316 (Exhibit 2);
3. Porter, DJ, et al. (1998) "Product Release is the Major Contributor to  $k_{CAT}$  for the Hepatitis C Virus Helicase-catalyzed Strand Separation of Short Duplex DNA" J of Bio Chem., 273(30):18906-18914 (Exhibit 3);

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4. Roman, LJ, et al. (1992) "Processivity of the DNA Helicase Activity of *Escherichia coli* recBCD Enzyme" J of Bio Chem., **267(6)**:4207-4214 (Exhibit 4); and
5. Wagner, JDO, et al. (1998) "The DEAH-Box Protein PRP22 is an ATPase that Mediates ATP-Dependent mRNA Release From the Spliceosome and Unwinds RNA Duplexes" EMBO J, **17(10)**:2926-2937 (Exhibit 5).

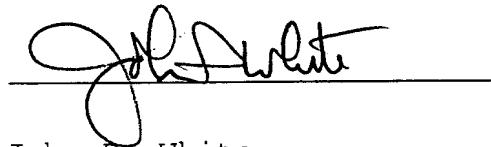
Applicants request that the Examiner make these documents of record in the subject application.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone at the number provided below.

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No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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